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DEPARTMENT OF NATURAL RESOURCES
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April 3, 1992

TO: Minerals File

FROM: Tony Gallegos, Reclamation Engineer; Holland Shepherd, Senior Reclamation Specialist *aa* *HHS*

RE: Site Inspection, North Lily Mining Company, Tintic Heap Leach Project, M/023/007, Juab County, Utah

Date of Inspection: April 3, 1992
Time of Inspection: 0900 - 1020
Conditions: Fair, sunny
Participants: Paul Spor, North Lily Mining Company; Adrian Underwood, Chief Consolidated; Tony Gallegos, Holland Shepherd, DOGM.

The purpose of this inspection was to examine the recently mined Centennial Dump area and evaluate the proposed reclamation of the site.

All equipment and facilities have been removed from the dump site. There now are steep slopes of ash/cinder material located south-southeast and adjacent to the removed dump materials. The location of the removed dump is now a steeply sloping area of rock material and fines in a rough surface grade. A new rock dump or enlarged rock dump area consisting of +3/8" material exists immediately down gradient of the removed dump location. The new rock dump contains a level pad area on the top and has angle of repose slopes. Two (?) piles of waste rock are located on the level pad area. The rock dump material and rock piles contain very little "fines". Access to the removed dump site is by the upper road which approaches the dump site along the contour, and the lower road which climbs directly uphill to the dump site. This lower road cuts through the rock dump and the adjacent ash/cinder dump material.

The proposed reclamation for this site consists mainly of regrading, mulching and reseeding. All trash and debris is to be removed from the site. The ash/cinder steep slopes are to be regraded across the removed dump area to achieve a lesser slope and minimize any safety hazard. The removed dump area is to be benched along the contour to

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inhibit erosion and encourage revegetation by creating a catch basin for surface waters. The rock piles on the level pad area are to be regraded to a more rounded configuration. Regrading the rock dump slopes to a lesser angle was proposed by the Division. An open shaft located immediately adjacent to the current toe of this dump was thought to be under Centurion's ownership. For this reason, Mr. Spor indicated that they may not be able to regrade the dump slope out to a lesser angle. He indicated that he would contact Centurion to confirm this and inform the Division of the outcome. The Division would prefer that the rock slopes were regraded to a lesser angle and that the shaft was backfilled/covered if possible. The lower road passes within several yards of the shaft. The shaft is currently surrounded by a chainlink fence. The access roads are to be eliminated at the general dump site by regrading the ash/cinder materials over the upper road and regrading the rock dump materials over the lower road. The upper road will continue to have a locked gate restricting public access to the area. After the regrading work is completed, a hay or alfalfa mulch will be spread over the areas before access to the site is eliminated. The area will be broadcast seeded in the coming fall. Mr. Spor indicated that this work would begin as soon as the dozer was repaired. He felt that this meant work would begin sometime during next week (April 6-10).

Because of the poor quality of growth material on the southeast dump the revegetation success here may be minimal. The Division may have to grant a revegetation variance for this portion of the site. However, the operator will still be required to mulch and seed the area.

Mr. Spor informed us that references to the Yankee area in the recent submission (dated March 20, 1992) actually applied to the Mayday area. It seems that these areas are somehow related and often confused with one another. He also indicated that acreages used in this submission referred to "as built" areas, i.e. areas measured after the reclamation was completed.

The inspection ended with the Division's approval for the proposed reclamation with the exception of the regrading of the rock dump slopes. This issue was to be resolved when the ownership of the shaft was identified.

cc: Paul Spor, North Lily Mining Co.
Wayne Hedberg, DOGM
M023007